Negar Kiyavash

List of Publications by Year
in descending order

38 papers	744 citations	777949 13 h-index	843174 20 g-index
38 all docs	38 docs citations	38 times ranked	637 citing authors

#	Article	IF	Citations
1	A Covert Queueing Channel in FCFS Schedulers. IEEE Transactions on Information Forensics and Security, 2018, 13, 1551-1563.	4.5	7
2	Optimal Attack Strategies Against Predictors - Learning From Expert Advice. IEEE Transactions on Information Forensics and Security, 2018, 13, 6-19.	4.5	8
3	Fundamental Limits of Database Alignment. , 2018, , .		13
4	Adversarial Machine Learning: The Case of Recommendation Systems. , 2018, , .		1
5	Bounded-Degree Connected Approximations of Stochastic Networks. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 79-88.	1.4	2
6	Measuring Causal Relationships in Dynamical Systems through Recovery of Functional Dependencies. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 650-659.	1.6	14
7	Identifying nonlinear 1-step causal influences in presence of latent variables. , 2017, , .		0
8	Restricted Composition Deletion Correcting Codes. IEEE Transactions on Information Theory, 2016, 62, 4819-4832.	1.5	6
9	Learning Minimal Latent Directed Information Polytrees. Neural Computation, 2016, 28, 1723-1768.	1.3	19
10	Quantifying the Information Leakage in Timing Side Channels in Deterministic Work-Conserving Schedulers. IEEE/ACM Transactions on Networking, 2016, 24, 1841-1852.	2.6	11
11	Delay-Privacy Tradeoff in the Design of Scheduling Policies. IEEE Transactions on Information Theory, 2015, 61, 2557-2573.	1.5	1
12	Directed Information Graphs. IEEE Transactions on Information Theory, 2015, 61, 6887-6909.	1.5	93
13	A novel collusion attack on finite alphabet digital fingerprinting systems. , 2014, , .		0
14	On the Varshamovâ€"Tenengolts construction on binary strings. Discrete Mathematics, 2014, 317, 79-90.	0.4	3
15	Dynamic and Succinct Statistical Analysis of Neuroscience Data. Proceedings of the IEEE, 2014, 102, 683-698.	16.4	14
16	An Improvement to Levenshtein's Upper Bound on the Cardinality of Deletion Correcting Codes. IEEE Transactions on Information Theory, 2014, 60, 3862-3870.	1.5	19
17	Nonasymptotic Upper Bounds for Deletion Correcting Codes. IEEE Transactions on Information Theory, 2013, 59, 5115-5130.	1.5	72
18	Efficient Methods to Compute Optimal Tree Approximations of Directed Information Graphs. IEEE Transactions on Signal Processing, 2013, 61, 3173-3182.	3.2	24

#	Article	IF	Citations
19	A Timing Channel Spyware for the CSMA/CA Protocol. IEEE Transactions on Information Forensics and Security, 2013, 8, 477-487.	4.5	28
20	An improvement to Levenshtein's upper bound on the cardinality of deletion correcting codes. , 2013, , .		6
21	Timing side channels for traffic analysis. , 2013, , .		4
22	Fingerprinting With Equiangular Tight Frames. IEEE Transactions on Information Theory, 2013, 59, 1855-1865.	1.5	25
23	Optimal bounded-degree approximations of joint distributions of networks of stochastic processes. , 2013, , .		2
24	Robust directed tree approximations for networks of stochastic processes. , 2013, , .		3
25	Optimal adversarial strategies in learning with expert advice. , 2013, , .		3
26	Designing Router Scheduling Policies: A Privacy Perspective. IEEE Transactions on Signal Processing, 2012, 60, 2001-2012.	3.2	17
27	Learning minimal latent directed information trees. , 2012, , .		4
28	Invisible flow watermarks for channels with dependent substitution and deletion errors. , 2012, , .		7
29	A coloring approach to constructing deletion correcting codes from constant weight subgraphs. , 2012, , .		13
30	An algorithmic approach for finding deletion correcting codes. , 2011, , .		2
31	Estimating the directed information to infer causal relationships in ensemble neural spike train recordings. Journal of Computational Neuroscience, 2011, 30, 17-44.	0.6	245
32	Equivalence between minimal generative model graphs and directed information graphs. , 2011, , .		18
33	A minimal approach to causal inference on topologies with bounded indegree. , 2011, , .		3
34	Convergence analysis for an online recommendation system. , 2011, , .		3
35	Regular Simplex Fingerprints and Their Optimality Properties. IEEE Transactions on Information Forensics and Security, 2009, 4, 318-329.	4.5	17
36	Performance of Orthogonal Fingerprinting Codes Under Worst-Case Noise. IEEE Transactions on Information Forensics and Security, 2009, 4, 293-301.	4.5	13

#	Article	IF	Citations
37	On Capacity of a Constrained Two-Dimensional Channel in Presence of Violations. , 2006, , .		0
38	A Framework for Optimizing Nonlinear Collusion Attacks on Fingerprinting Systems. , 2006, , .		24